11. Schematic Diagrams

11-1 Power ---------- 11-2

11-2 AV-Decoder/Main-Micom/Key ---------- 11-3

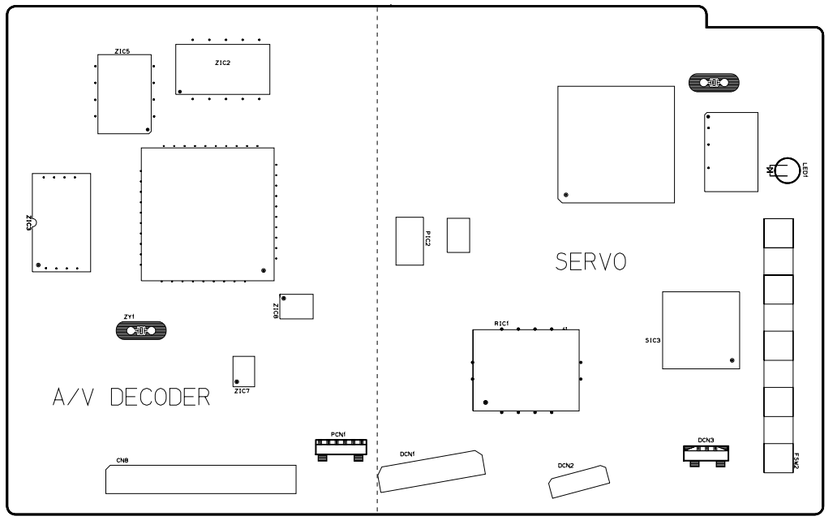
11-3 Servo ---------- 11-4

11-4 Front-Micom/VFD Display ---------- 11-5

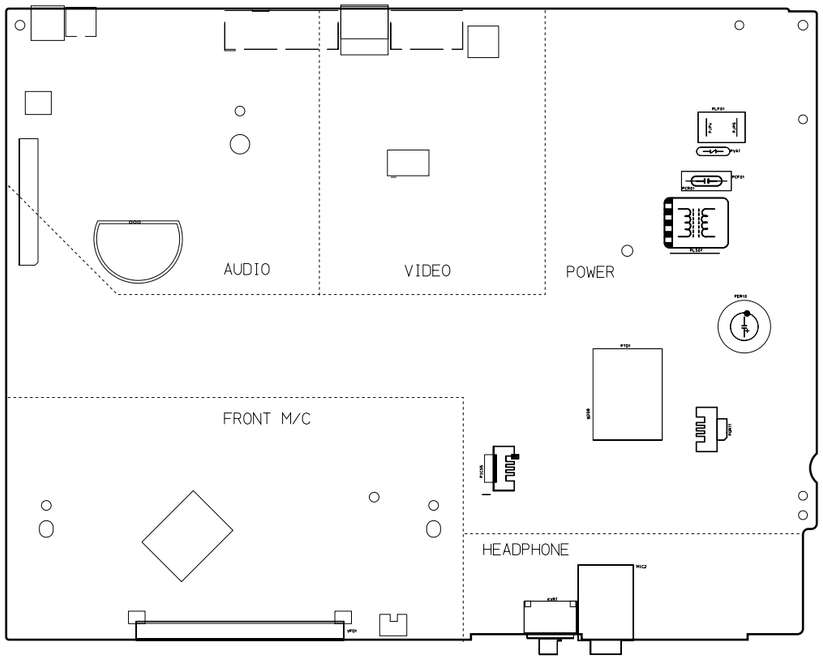
11-5 Video ---------- 11-6

11-6 Audio ---------- 11-7

Block Identification of PCB

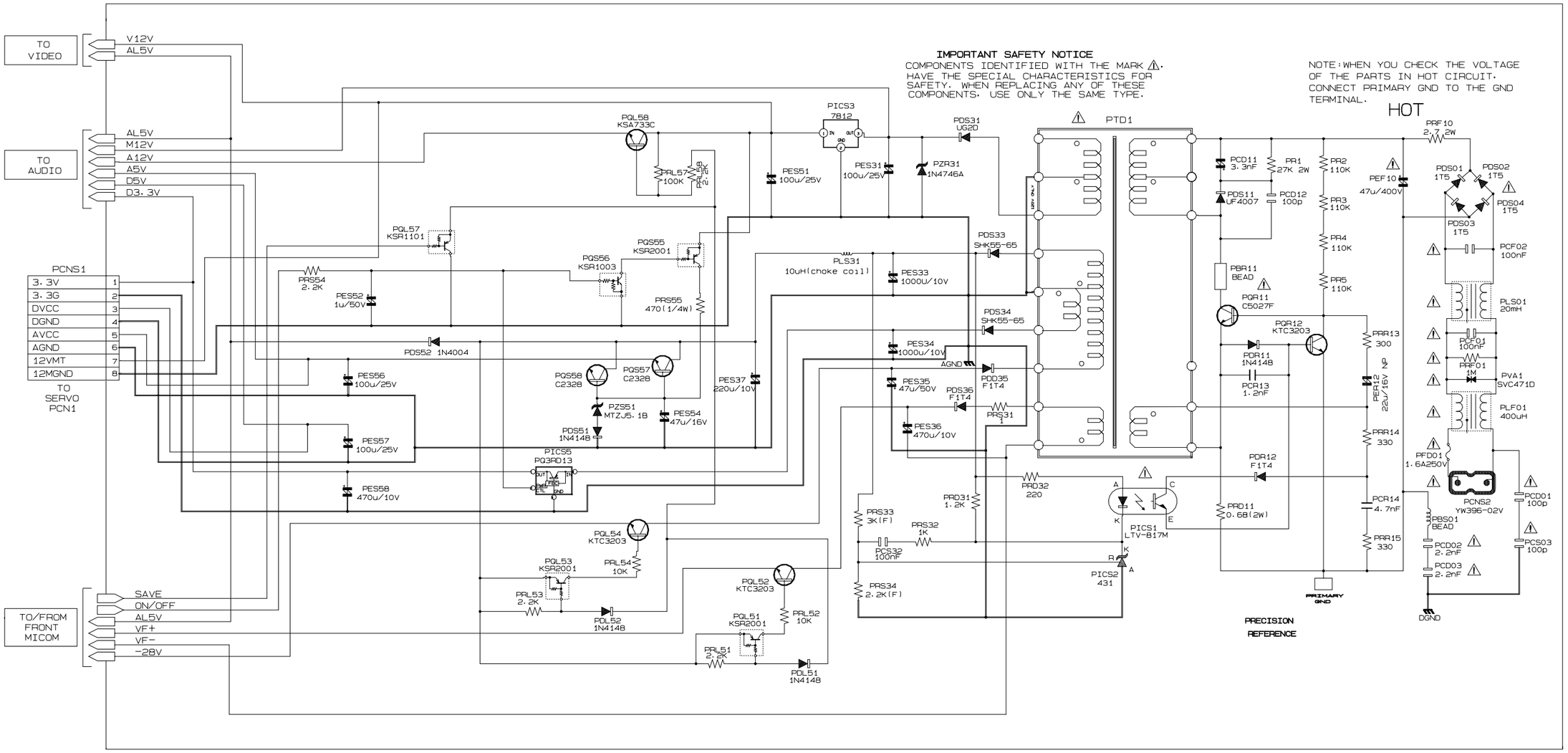


Main PCB (Component Side)

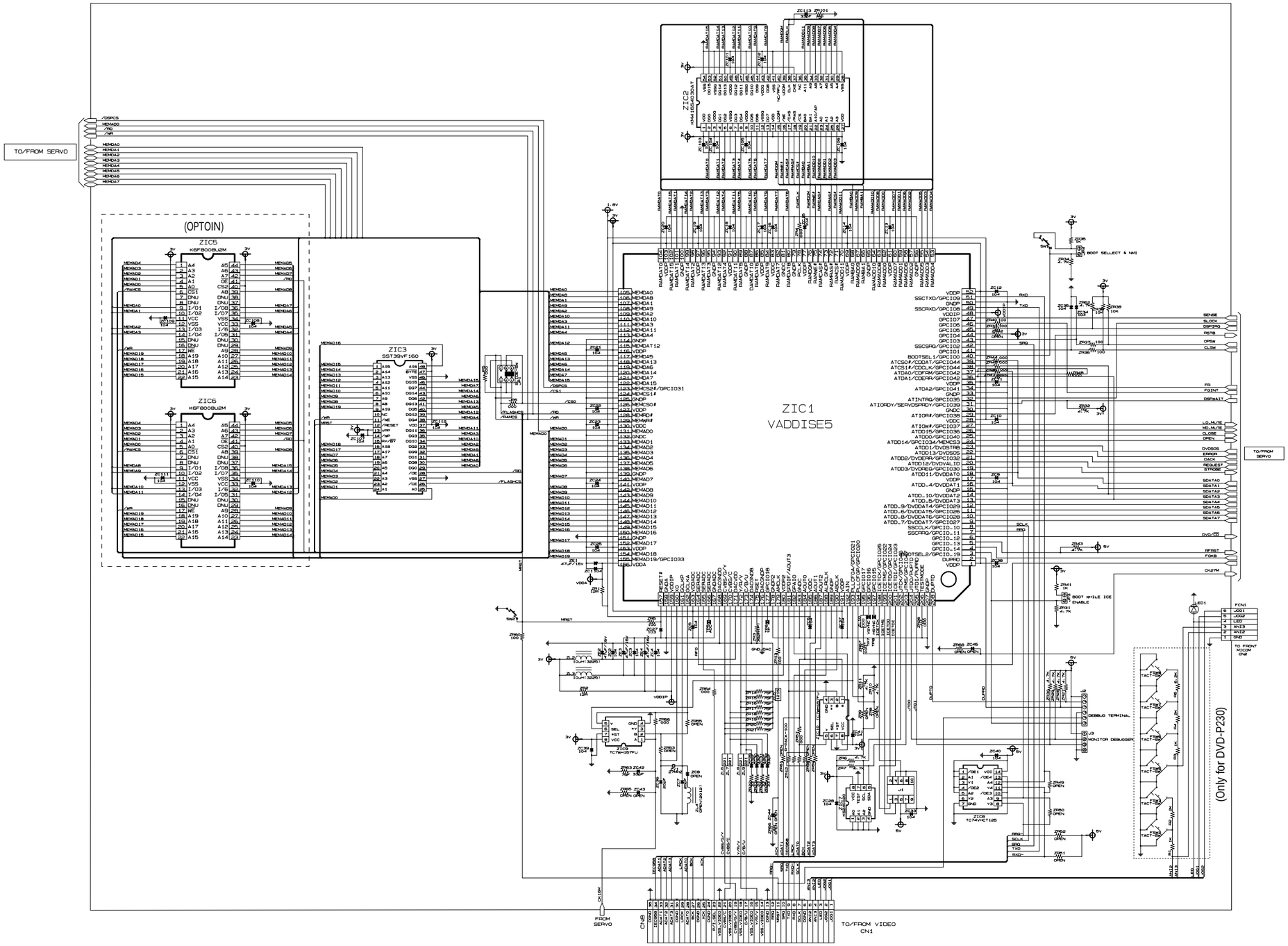


Jack PCB (Conductor Side)

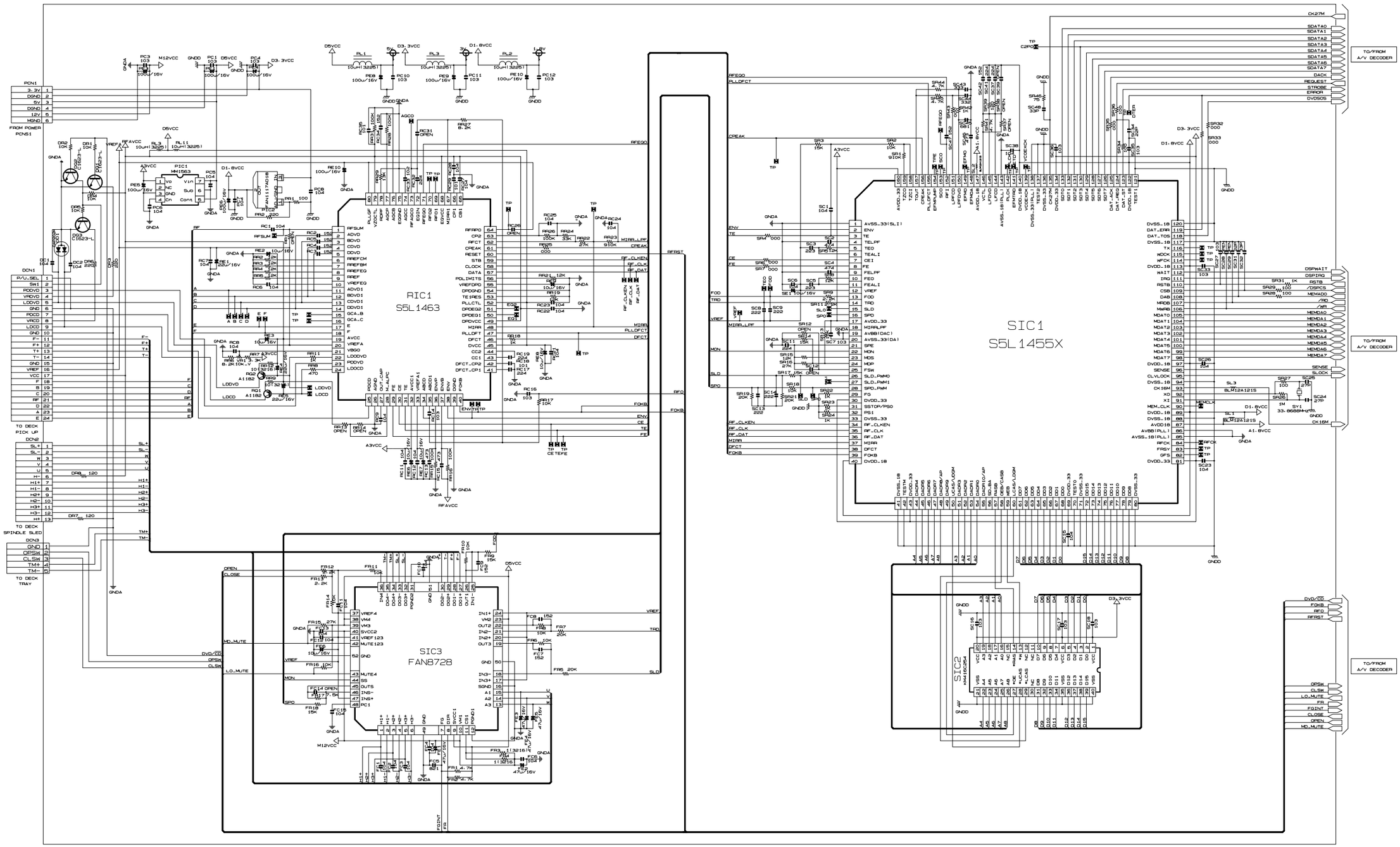
11-1 Power


IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK ⚠.
HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS. USE ONLY THE SAME TYPE.
NOTE:WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT. CONNECT PRIMARY GND TO THE GND TERMINAL.
HOT
PTD1
TO VIDEO
V12V
AL5V
TO AUDIO
AL5V
M12V
A12V
A5V
D5V
D3.3V
PCNS1
3.3V 1
3.3G 2
DVCC 3
DGND 4
AVCC 5
AGND 6
12VMT 7
12MGND 8
TO SERVO PCN1
TO/FROM FRONT MICOM
SAVE
ON/OFF
AL5V
VF+
VF-
-28V
PICS3 7812
PQL58 KSA733C
PRL57 100K
PRF57 FR.
PES51 100u/25V
PES31 100u/25V
PZR31 1N4746A
PDS31 UG2D
PQL57 KSR1101
PQS55 KSR2001
PQS56 KSR1003
PRS54 2.2K
PES52 1u/50V
PRS55 470(1/4W)
PDS52 1N4004
PES56 100u/25V
PQS58 C2328
PQS57 C2328
PZS51 MTZJ5.1B
PES54 47u/16V
PES37 220u/10V
PDS51 1N4148
PES57 100u/25V
PICS5 PQ3RD13
PES58 470u/10V
PQL54 KTC3203
PQL53 KSR2001
PRL54 10K
PRL53 2.2K
PDL52 1N4148
PQL52 KTC3203
PQL51 KSR2001
PRL52 10K
PRL51 2.2K
PDL51 1N4148
PLS31 10uH(choke coil)
PES33 1000u/10V
PDS33 SHK55-65
PDS34 SHK55-65
PES34 1000u/10V
AGND
PES35 47u/50V
PDS35 F1T4
PDS36 F1T4
PES36 470u/10V
PRS31 1
PRD32 220
PRD31 1.2K
PRS33 3K(F)
PRS32 1K
PCS32 100nF
PRS34 2.2K(F)
PICS1 LTV-817M
PICS2 431
PCD11 3.3nF
PR1 27K 2W
PDS11 UF4007
PCD12 100p
PBR11 BEAD
PQR11 C5027F
PQR12 KTC3203
PDR11 1N4148
PCR13 1.2nF
PDR12 F1T4
PRD11 0.68(2W)
PR2 110K
PR3 110K
PR4 110K
PR5 110K
PRR13 300
PER12 22u/16V NP
PRR14 330
PCR14 4.7nF
PRR15 330
PRIMARY GND
PRECISION REFERENCE
PRF10 2.7 2W
PEF10 47u/400V
PDS01 1T5
PDS02 1T5
PDS03 1T5
PDS04 1T5
PCF02 100nF
PLS01 20mH
PCF01 100nF
PRF01 1M
PVA1 SVC471D
PLF01 400uH
PFD01 1.6A250V
PCNS2 YW396-02V
PBS01 BEAD
PCD01 100p
PCD02 2.2nF
PCD03 2.2nF
PCS03 100p
DGND

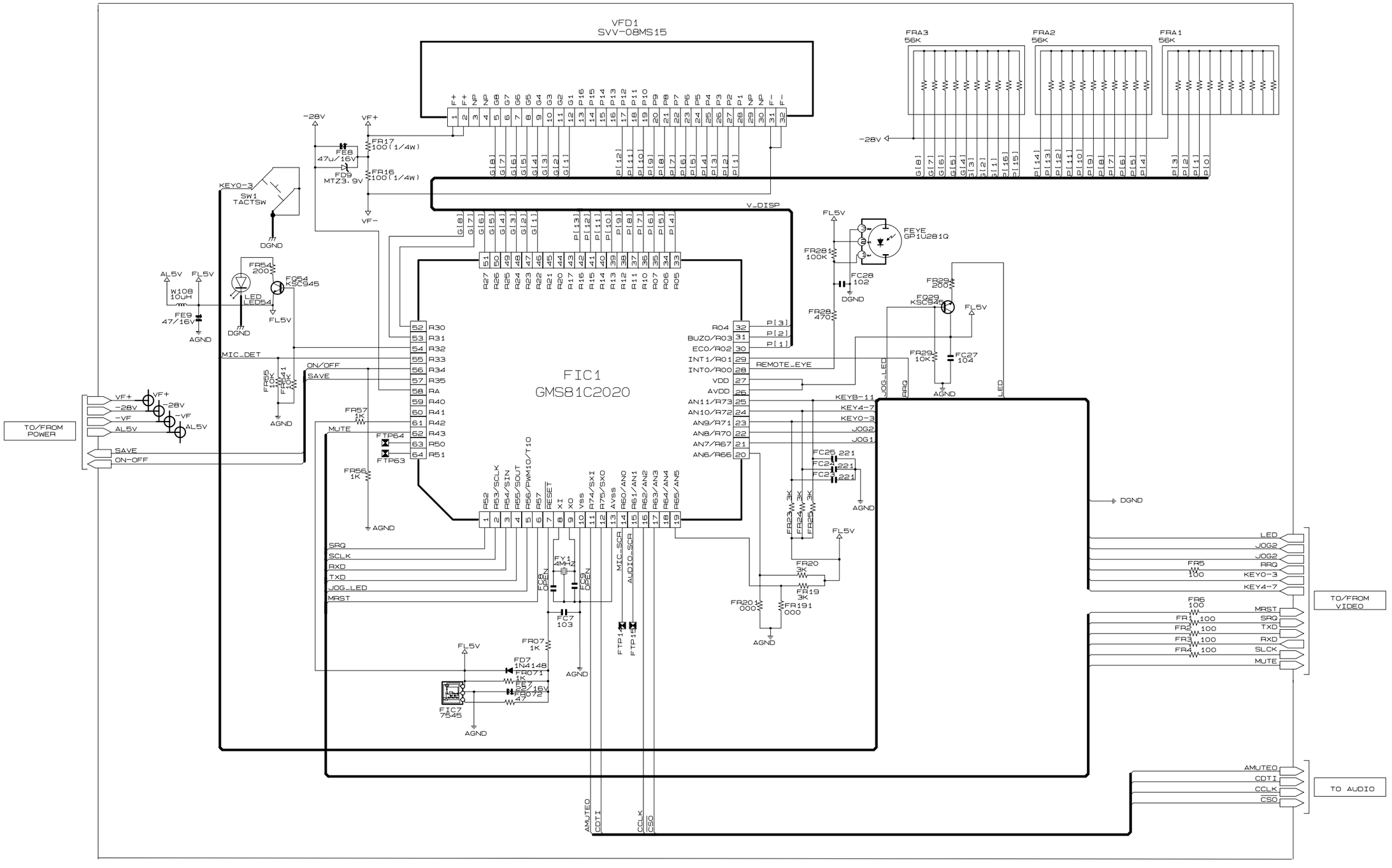
11-2 AV-Decoder/Main-Micom/Key



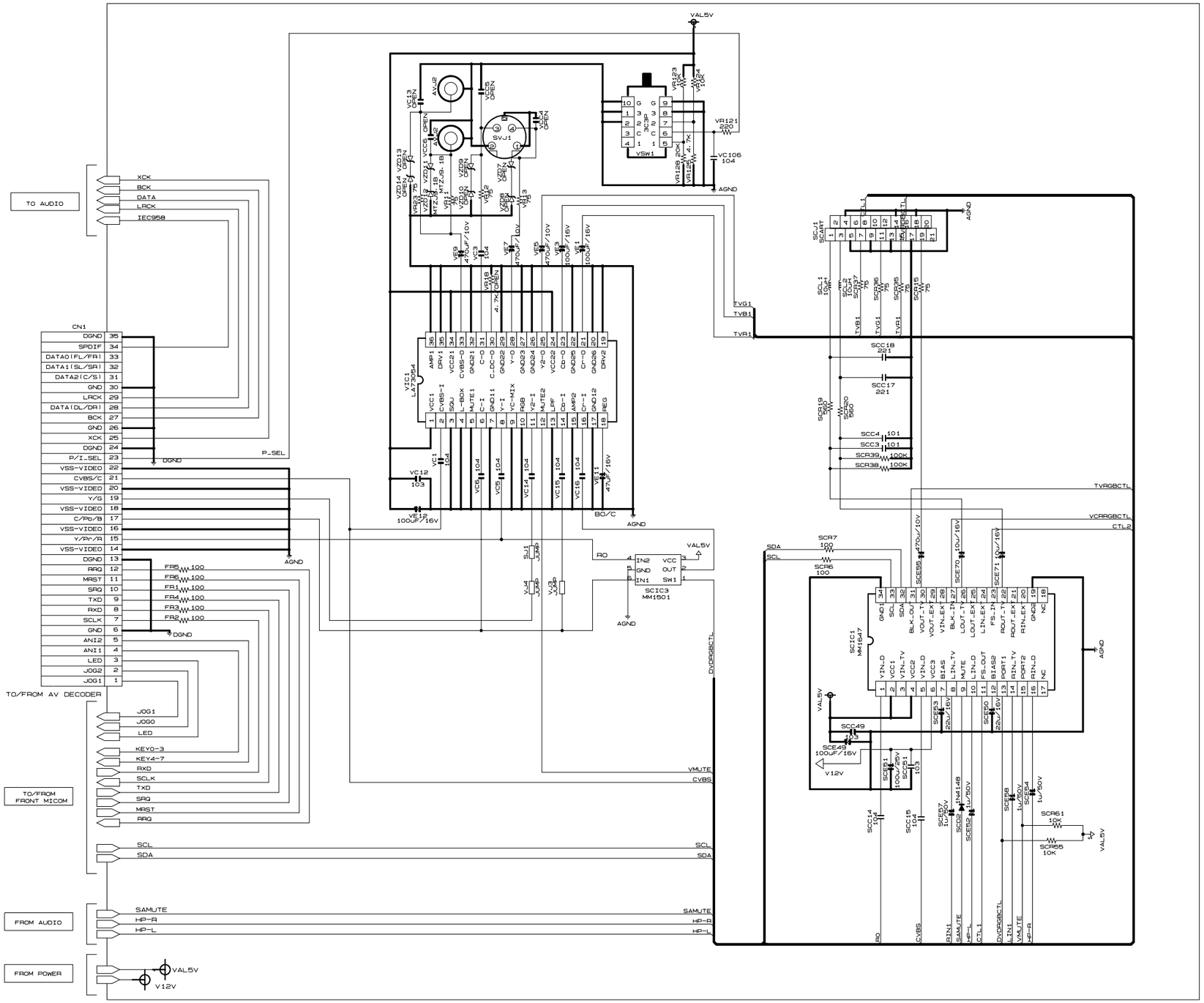
11-3 Servo


RIC1
S5L1463
SIC1
S5L1455X
SIC3
FAN8728
SIC2
KM416C254
TO/FROM A/V DECODER
TO DECK PICK UP
TO DECK SPINDLE SLED
TO DECK TRAY
FROM POWER PCNS1

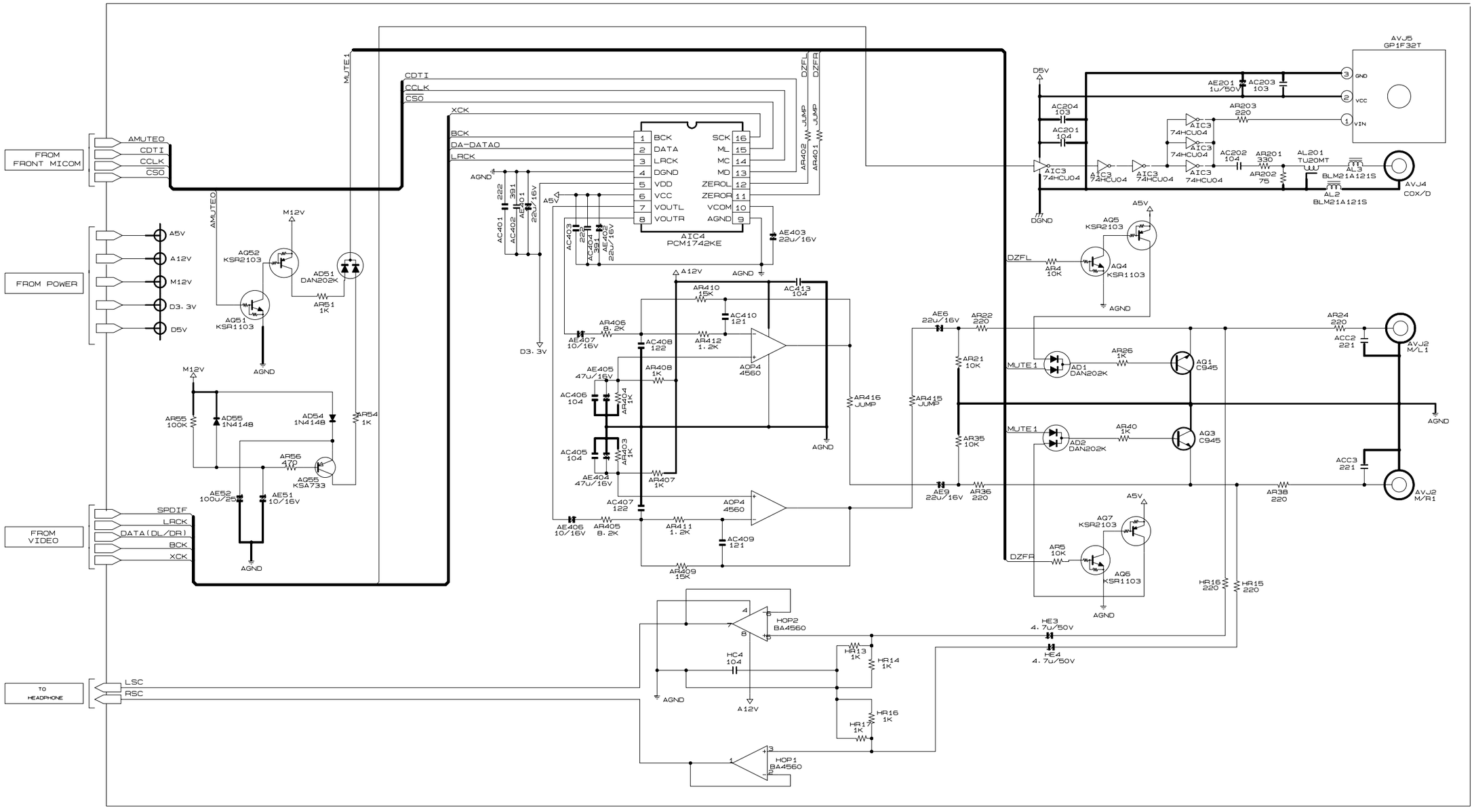
11-4 Front-Micom/VFD Display



11-5 Video


TO AUDIO
XCK
BCK
DATA
LRCK
IEC958
CN1
DGND 35
SPDIF 34
DATA0(FL/FR) 33
DATA1(SL/SR) 32
DATA2(C/S) 31
GND 30
LRCK 29
DATA(DL/DR) 28
BCK 27
GND 26
XCK 25
DGND 24
P/I_SEL 23
VSS-VIDEO 22
CVBS/C 21
VSS-VIDEO 20
Y/G 19
VSS-VIDEO 18
C/Pb/B 17
VSS-VIDEO 16
Y/Pr/R 15
VSS-VIDEO 14
DGND 13
ARQ 12
MRST 11
SRQ 10
TXD 9
RXD 8
SCLK 7
GND 6
ANI2 5
ANI1 4
LED 3
JOG2 2
JOG1 1
P_SEL
DGND
AGND
FR5 100
FR6 100
FR1 100
FR4 100
FR3 100
FR2 100
DGND
TO/FROM AV DECODER
JOG1
JOG0
LED
KEY0-3
KEY4-7
RXD
SCLK
TXD
SRQ
MRST
ARQ
TO/FROM FRONT MICOM
SCL
SDA
FROM AUDIO
SAMUTE
HP-R
HP-L
FROM POWER
VAL5V
V12V
VAL5V
AV2
SVJ1
VSW1
VR121 220
VC106 104
AGND
VIC1 LA73054
VE12 100UF/16V
BO/C
AGND
VAL5V
RO
SIC3 MM1501
AGND
SJ1 JUMP
VJ4 JUMP
VJ3 JUMP
DVDRGBCTL
VMUTE
CVBS
SCL
SDA
SAMUTE
HP-R
HP-L
TVG1
TVB1
TVR1
SCJ1 SCART
AGND
SCC18 221
SCC17 221
SCR36 75
SCR35 75
SCR45 75
SCC4 101
SCC3 101
SCR39 100K
SCR38 100K
TVRGBCTL
VCRRGBCTL
CTL2
SCR7 100
SCR6 100
SCE65 470u/10V
SCE70 10u/16V
SCE71 10u/16V
SCIC1 MM1647
AGND
VAL5V
SCC49 105
SCE49 100uF/16V
V12V
SCE61 100uF/16V
SCC51 103
SCE57 1u/50V
SCD3 1N4148
SCE52 1u/50V
SCE68 1u/50V
SCE54 1u/50V
SCR61 10K
SCR55 10K
VAL5V
SCC14 104
SCC15 104
RO
CVBS
RIN1
SAMUTE
HP-L
CTL-1
DVDRGBCTL
LIN1
VMUTE
HP-R

11-6 Audio


FROM FRONT MICOM
AMUTEO
CDTI
CCLK
CSO
FROM POWER
A5V
A12V
M12V
D3.3V
D5V
FROM VIDEO
SPDIF
LRCK
DATA(DL/DR)
BCK
XCK
TO HEADPHONE
LSC
RSC
MUTE1
AIC4 PCM1742KE
AOP4 4560
HOP1 BA4560
HOP2 BA4560
AQ1 C945
AQ2 KSA733
AQ3 C945
AQ4 KSR1103
AQ5 KSR2103
AQ6 KSR1103
AQ7 KSR2103
AD1 DAN202K
AD2 DAN202K
AD51 DAN202K
AD54 1N4148
AD55 1N4148
AVJ5 GP1F32T
AVJ4 COX/D
AVJ2 M/R1
AVJ2 M/L1
AIC3 74HCU04
AL2 BLM21A121S
AL3 BLM21A121S
AL201 TU20MT
DZFL
DZFR
AGND
DGND

MEMO